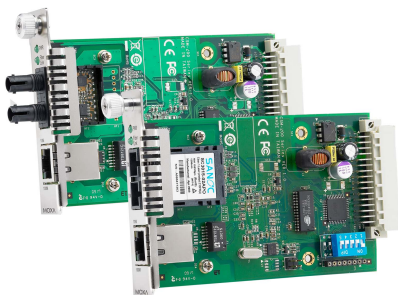


CSM-200 系列

適用於 NRack System™ 的 10/100BaseT (X) 轉 100BaseFX 滑入式模組



特色與優點

- 支援 LFP (故障轉移) 和 FEF (遠端故障) 功能
- 支援兩種不同操作模式：保存轉發和透傳
- 自動協商
- 即插即用
- 可熱插拔

認證



簡介

CSM-200 滑入式乙太網路轉光纖媒體轉換器專為 NRack System™ 所設計。此模組提供 10/100BaseT (X) 轉 100BaseFX (SC/ST 接頭) 的媒體轉換，並可安裝在任何 NRack System™ 機箱中。

規格

Ethernet Interface						
10/100BaseT(X) Ports (RJ45 connector)		1				
100BaseFX Ports (multi-mode ST connector)		CSM-200-1213: Multi-mode ST connector				
100BaseFX Ports (multi-mode SC connector)		CSM-200-1214: Multi-mode SC connector				
100BaseFX Ports (single-mode SC connector)		CSM-200-1218: Single-mode SC connector				
Magnetic Isolation Protection		1.5 kV (built-in)				
Standards		IEEE 802.3u for 100BaseT(X) and 100BaseFX				
Optical Fiber						
				100BaseFX		
				Multi-Mode		Single-Mode
		Fiber Cable Type		OM1	50/125 μm	G.652
					800 MHz x km	
		Typical Distance		4 km	5 km	40 km
		Wavelength	Typical (nm)	1300		1310
			TX Range (nm)	1260 to 1360		1280 to 1340
			RX Range (nm)	1100 to 1600		1100 to 1600
		Optical Power	TX Range (dBm)	-10 to -20		0 to -5
			RX Range (dBm)	-3 to -32		-3 to -34
			Link Budget (dB)	12		29

		100BaseFX		
		Multi-Mode		Single-Mode
	Fiber Cable Type	OM1	50/125 μm	G.652
			800 MHz x km	
	Dispersion Penalty (dB)		3	1
Note: When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power. Note: Compute the “typical distance” of a specific fiber transceiver as follows: Link budget (dB) > dispersion penalty (dB) + total link loss (dB).				

Power Parameters

Input Current	180 mA @ 12 VDC
Input Voltage	12 VDC
Overload Current Protection	Supported
Power Consumption	180 mA @ 12 VDC

Physical Characteristics

Dimensions	86.8 x 124.3 x 21 mm (3.42 x 4.89 x 0.83 in)
Weight	Packaged: CSM-200-1213: 170 g (0.37 lb) CSM-200-1214/1218: 180 g (0.40 lb) Product only: CSM-200-1213: 115 g (0.25 lb) CSM-200-1214/1218: 125 g (0.28 lb)

Environmental Limits

Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 PFMF IEC 61000-4-11 DIPs
Environmental Testing	IEC 60068-2-1 IEC 60068-2-14 IEC 60068-2-2 IEC 60068-2-3
Safety	EN 60950-1, UL 60950-1
Vibration	IEC 60068-2-6

MTBF

Time	1,454,560 hrs
Standards	Telcordia (Bellcore), GB

Warranty

Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

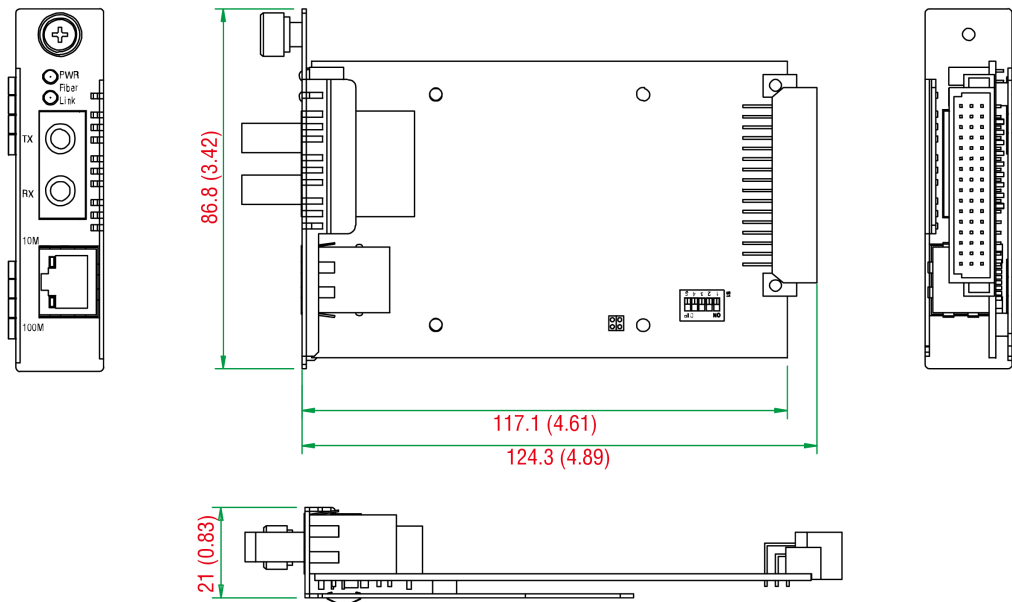
Package Contents

Device	1 x CSM-200 Series module
Documentation	1 x quick installation guide 1 x warranty card

尺寸

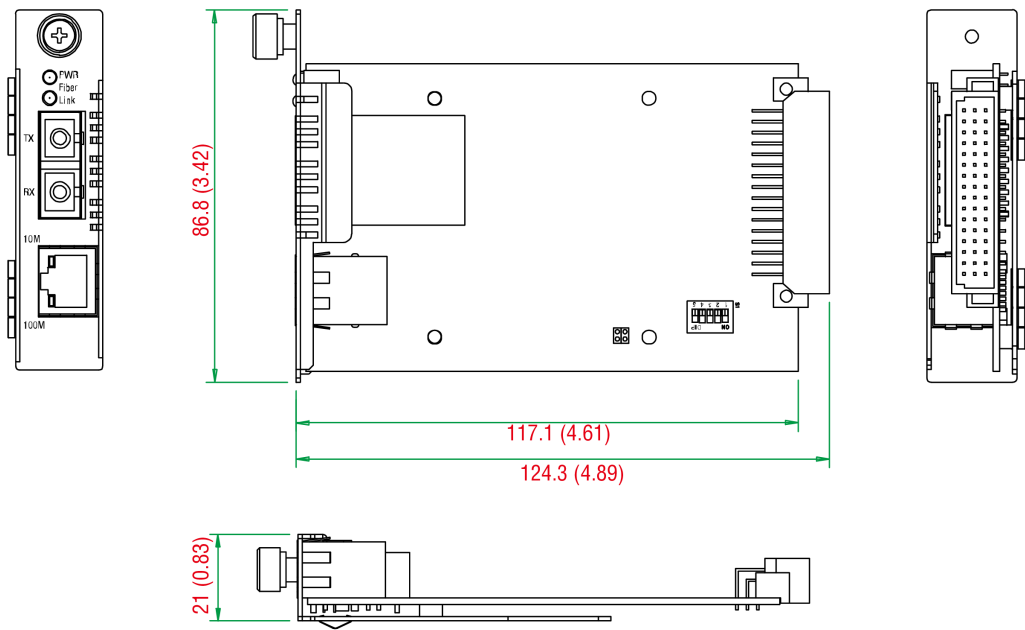
CSM-200-1213

單位：公釐（英吋）



CSM-200-1214, CSM-200-1218

單位：公釐（英吋）



訂購資訊

Model Name	Fiber Module Type
CSM-200-1213	Multi-mode ST
CSM-200-1214	Multi-mode SC
CSM-200-1218	Single-mode SC

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